

1 CITATION TO PRIOR APPLICATION

2 This is a continuation-in-part with respect to U.S.
3 Patent Application, Serial No. 10/037,754 filed October 22,
4 2001. *Now US Patent 6,681,859.*
5 *7/8/05*

6 BACKGROUND OF THE INVENTION

7 1. Field of The Invention

8 The present invention relates to systems and methods for
9 producing or delivering heat at or near the down hole end of
10 production tubing of a producing oil or gas well for improving
11 production therefrom.

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13 2. Background Information

14 Free-flowing oil is increasingly difficult to find, even
15 in oil wells that once had very good flow. In some cases,
16 good flowing wells simply "clog up" with paraffin. In other
17 cases, the oil itself in a given formation is of a viscosity
18 that it simply will not flow (or will flow very slowly) under
19 naturally ambient temperatures.

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21 Because the viscosity of oil and paraffin have an inverse
22 relationship to their temperatures, the solution to non-